

CLAIMS:

1. A speech recognition device (1) for recognizing text information (TI) corresponding to speech information (SI), which speech information (SI) can be characterized in respect of language properties, wherein first language-property recognition means (20) are provided that, by using the speech information (SI), are arranged to recognize
5 a first language property and to generate first property information (ASI) representing the first language property that is recognized, wherein at least second language-property recognition means (21, 22, 23) are provided that, by using the speech information (SI), are arranged to recognize a second language property of the speech information (SI) and to generate second property information (LI, SGI, CI) representing the second language
10 property that is recognized, and wherein speech recognition means (24) are provided that are arranged to recognize the text information (TI) corresponding to the speech information (SI) by continuously taking into account at least the first property information (ASI) and the second property information (LI, SGI, CI).
- 15 2. A speech recognition device (1) as claimed in claim 1, wherein receiving means (2) are provided that are arranged to receive the speech information (SI) via at least two recognizable reception channels, wherein reception-channel recognition means (18) are provided that are arranged to recognize the reception channel being used at the time to receive the speech information (SI) and to generate channel information (CHI) representing
20 the reception channel recognized, and wherein at least one of the at least two language-property recognition means (20, 21, 22, 23) and/or the speech recognition means (24) are/is arranged to take into account the channel information (CHI).
- 25 3. A speech recognition device (1) as claimed in claim 1, wherein the speech recognition means (24) are arranged to recognize the text information (TI) with a delay of at least a time-span that is required by the at least two language-property recognition means (20, 21, 22, 23) for the generation of the at least two items of property information (ASI, LI, SGI, CI), during which time-span a part of the speech information (SI) is used by the at least two language-property recognition means (20, 21, 22, 23) to generate the at least two items of

property information (ASI, LI, SGI, CI), which text information (TI) corresponding at least to a sub-area of that part of the speech information (SI) used to generate the at least two fed items of property information (ASI, LI, SGI, CI).

5 4. A speech recognition device (1) as claimed in claim 1, wherein at least one item of property information (ASI, LI, SGI) generated with the help of language-property recognition means (20, 21, 22) can be fed to other language-property recognition means (21, 22, 23) and wherein the other language-property recognition means (21, 22, 23) are arranged to take into account the at least one item of property information (ASI, LI, SGI) that is fed to
10 them when recognizing the language property of the speech information (SI) and when generating the property information (LI, SGI, CI).

5. A speech recognition device (1) as claimed in claim 4, wherein the other language-property recognition means (21, 22, 23) are arranged to recognize the language
15 property with a delay of at least a time-span that is required for the generation of the at least one item of property information (ASI, LI, SGI) that is fed to them, during which time-span a part of the speech information (SI) is used by the language-property recognition means (20, 21, 22) to generate the at least one item of property information (ASI, LI, SGI) that is fed to them, said language property characterizes at least a sub-area of that part of the speech
20 information (SI) that is used to generate the at least one fed item of property information (ASI, LI, SGI).

6. A speech recognition method for recognizing text information (TI)
25 corresponding to speech information (SI), which speech information (SI) can be characterized in respect of language properties, wherein, by using the speech information (SI), a first language property is recognized, wherein first property information (ASI) representing the first language property that is recognized is generated, wherein at least one second language property is recognized by using the speech information (SI), wherein second
30 property information (LI, SGI, CI) representing the second language property that is recognized is generated, and wherein the text information (TI) corresponding to the speech information (SI) is recognized while continuously taking into account at least the first property information (ASI) and the second property information (LI, SGI, CI).

7. A speech recognition method as claimed in claim 6, wherein the speech information (SI) is received via one of at least two recognizable reception channels, wherein the reception channel being used at the time to receive the speech information (SI) is recognized and channel information (CHI) representing the reception channel recognized is generated, and wherein the channel information (CHI) is taken into account at least in the generation of at least one of the items of property information (ASI, LI, SGI, CHI) and/or in the recognition of the text information (TI).

8. A speech recognition method as claimed in claim 6, wherein the recognition of the text information (TI) corresponding to the speech information (SI) takes place with a delay of at least a time-span that is required for the generation of the at least two items of property information (ASI, LI, SGI, CI), during which time-span a part of the speech information (SI) is used for the generation of the at least two items of property information (ASI, LI, SGI, CI), for the text information (TI) corresponding at least to a sub-area of that part of the speech information (SI) that was used to generate the at least two items of property information (ASI, LI, SGI, CI).

9. A speech recognition method as claimed in claim 6, wherein at least one language property is recognized while taking into account at least one item of property information (ASI, LI, SGI) not representing said language property and an item of property information (LI, SGI, CI) is generated that represents the language property recognized.

10. A speech recognition method as claimed in claim 9, characterized in that the recognition of the at least one language property takes place, while taking into account at least one item of property information (ASI, LI, SGI) not representing said language property, with a delay of at least a time-span that is required for the generation of the at least one item of property information (ASI, LI, SGI) not representing said language property, during which time-span a part of the speech information (SI) can be used for the generation of the at least one item of property information (ASI, LI, SGI) not representing said language property, for at least a sub-area of that part of the speech information (SI) that is used to generate the at least one item of property information (ASI, LI, SGI) not representing said language property.

11. A computer program product that can be loaded directly into a memory (1B) of a computer (1A) and comprises sections of software code, it being possible for the speech recognition method claimed in claim 6 to be performed by the computer (1A) when the computer program product is run on the computer (1A).

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12. A computer program product as claimed in claim 11, wherein the computer program product is stored on a computer-readable medium.

13. A computer (1A) having a processing unit and an internal memory (1B),

10 which computer (1A) runs the computer program product claimed in claim 11.